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Att'y Docket No. 11023.3

Applio	cant:
Serial	No.:

Darko Segota and John W. Finnegan, II

10/600,207

For:

Filing Date: June 19, 2003 METHOD AND SYSTEM FOR REGULATING EXPERNAL FLUID FLOW

OVER AN OBJECT'S SURFACE, AND PARTICULARLY A WING AND

DIFFUSER

A43	Henri Marie Coanda; http://www.allstar.fiu.edu/aero/coanda.htm; 5 pgs; May 22, 2003.
A44	History of The "Coanda Effect"; http://www.geocities.com/ResearchTriangle/Lab/1135/coanda.htm ; 13 pgs; May 22, 2003.
74 A45	Lift, Thrust, Weight, and Drag; http://www.av8n.com/how/htm/4forces.html ; 9 pgs; June 4, 2003.
M/ A40	6. M.E. Research Page; file://E:\STUDY\fish%20separation.htm; 4 pgs; June 6, 2003.
A4	7. MicroCluster Water; http://www.aquatechnology.net/Microcluster_water.html ; 7 pgs; May 22, 2003.
<u>M</u> A48	3. Misinterpretations of Bernoulli's Law; http://www.rz.uni-frankfurt.de/~weltner/Mis6/mis6.html ; 11 pgs; September 12, 2003.
W A4	A Physical Description of Flight; http://www.aa.washington.edu/faculty/eberhardt/lift.htm ; 15 pgs; September 12, 2003.
A50	 Post-processing of wake survey data from wind tunnel tests; http://www.nlr.nl/public/facilities/f217-01/; 5 pgs; June 4, 2003.
16 A5	1. Pressure; file://E:\STUDY\Pressure7.htm; 3 pgs; June 6, 2003.
AS:	 Pressure Patterns on the Airfoil; http://www.dynamicflight.com/aerodynamics/pres_patterns/; 2 pgs; September 12, 2003.
A5	3. The Schauberger's Flying Saucer; http://jnaudin.free.fr/html/repulsin.htm ; 7 pgs; May 22, 2003.

Examiner: Worden Eldeld

Date Considered:

11-22-04

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10/600,207 METHOD AND SYSTEM FOR REGULATING EXTERNAL FLUID FLOW

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DIFFUSER

Separation on a Free Surface;

http://www.maths.cam.ac.uk/CASM/essays/abstracts/node84.html; 2 pgs; September 12,

2003.

Similarity Parameters; http://www.lerc.nasa.gov/WWW/K-12/airplane/airsim.html; 3

pgs; September 12, 2003.

Using the Coanda Effect; http://www.aardvark.co.nz/pjet/coanda.shtml; 3 pgs; May 22,

Virtual Experiments on Drag Reduction; Vladimir Kudriavtsev and M. Jack Braun; 48th

Annual Conference of Canadian Aeronautics and Space Institute (CASI), 8th

Aerodynamics Section Symposium, Toronto, Canada; 6 pgs; April 29-May 2, 2001.

Examiner: Wooden Elfeld

Date Considered:

11-22-04

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OVER AN OBJECT'S SURFACE, AND PARTICULARLY A WING AND

DIFFUSER

Bubble Plumes and the Coanda;

http://66.218.71.225/search/cache?p=coanda+experiments&ei=UTF-

8&xargs=0&b=21&url=...; 6 pgs; May 22, 2003.

Chapter 6: Aerodynamics; http://www.scitoys.com/scitoys/scitoys/aero/aero.html; 10 pgs; May 22, 2003.

Coanda Effect: Understanding Why Wings Work; http://www.jefraskin.com/forjef2/jefweb-compiled/published/coanda effect.html; 21 pgs; May 22, 2003.

The Coanda Effect; http://jnaudin.free.fr/html/coanda.htm; 3 pgs; May 22, 2003.

The Coanda Saucer or the "Repulsin type A" test; http://jnaudin.free.fr/html/repcotst.htm; 6 pgs; May 22, 2003.

The Continuity Equation, the Reynolds Number, the Froude Number; file://E:\STUDY\88 06 04&20The%20Continuity%20Equation,%20the%20Reynolds %20Nu...; 10 pgs; June 6, 2003.

Deltawing; http://www.aero.hut.fi/Englanniksi; 1 pg.

Drag of Blunt Bodies and Streamlined Bodies; http://www.princeton.edu/~asmits/Bicycle web/blunt.html; 4 pgs; September 12, 2003.

The effects of quadratic drag on the inverse cascade of two-dimensional turbulence; N. Grianik, I. Held, K.S. Smith, and G.K. Vallis; 16 pgs; July 2002.

Henri Coanda; http://www.deltawing.go.ro/history/coanda.htm; 3 pgs; May 22, 2003.

Henri Coanda Romanian Scientist (1886-1972); http://romania-on-line.net/halloffame/CoandaHenri.htm; 3 pgs; May 22, 2003.

Examiner: Who has Island

Date Considered:

11-22-04

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Other Documents

(including author (if listed), title, relevant pages, date of publication including at least month and year).

Examiner Initial* Aerodynamic DRAG: file://E:\STUDY\Aerodynamic%20Drag%20at%20High%20Speeds.htm; 9 pgs; June 6, 2003. Aerodynamics of Wind Turbines: Drag; http://www.windpower.org/en/tour/wtrb/drag.htm; 4 pgs; September 12, 2003. Airfoils and Lift; http://www.aviation-history.com/theory/airfoil.htm; 2 pgs; September 12, 2003. Bernoulli Equation; file://E:\STUDY\Pressure.htm; 6 pgs; June 6, 2003. Boundary layer and turbulence modeling: a persona; perspective; R.A. Brown; 10 pgs; March 20, 1995. Boundary Layer Control; http://www.aerodyn.org/Drag/blc.html; 4 pgs; September 12, 2003. 30. / Boundary-Layer Separation; http://www.ma.man.ac.uk/~ruban/blsep.html; 4 pgs; September 12, 2003. Boundary layer and turbulence modeling: a persona; perspective; http://www.atmos.washington.edu/~rabrown/amspblt6.html; 8 pgs; June 4, 2003.

Examiner:	Nordia	Elfred	Date Considered:	11-22-04
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DIFFUSER

g/k A10.	4,813,631	03/21/89	Gratzer	244	35	11/02/85
M A11.	4,851,071	07/25/89	Gallimore	156	344	07/22/88
A/12.	4,872,484	10/10/89	Hickey	137	561 R	12/12/88
9/4/ A13.	4,974,633	12/04/90	Hickey	137	561 R	12/19/89
A14.	5,144,099	09/01/92	Cardy	174	66	07/17/90
A15.	5,316,032	05/31/94	DeCoux	137	14	08/27/93
A16.	5,590,854	01/07/97	Shatz	244	206	11/02/94
# A17.	5,718,539	02/17/98	Segota	406	61	11/13/95
11/4 A18.	5,810,249	09/22/98	Nilsson	239	2.2	06/07/95
A19.	5,863,155	01/26/99	Segota	406	61	05/19/95
# A20.	6,180,536	01/30/01	Chong et al.	438	745	06/04/98
M A21.	6,202,304	03/20/01	Shatz	29	896.6	01/07/97
9/4/ A22.	6,263,745	07/24/01	Buchanan et al.	73	865.5	12/03/99
₩/ A23.	6,357,307	03/19/02	Buchanan et al.	73	865.5	07/20/01
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U.S. Patent Application Publication Documents

Examiner <u>Initial*</u>	Document Number	Publ. <u>Date</u>	<u>Name</u>	Class	Sub Class	Filing <u>Date</u>
M A1.	2001/0004835	06/28/01	Alkabie et al.	60	757	11/29/00
A2.	2001/0053817	12/20/01	Anayama et al.	525	107	03/20/01

U.S. Patent Documents

Examiner	Document	Issue/Publ.			Sub	Filing
<u>Initial*</u>	<u>Number</u>	<u>Date</u>	<u>Name</u>	<u>Class</u>	Class	<u>Date</u>
M A3.	3,056,277	10/02/62	Brenner	73	23	03/05/59
A4.	4,171,785	10/23/79	Isenberg	244	123	06/30/77
45.	4,228,943	10/21/80	Tanabe et al.	228	182	07/05/78
A6.	4,449,211	05/15/84	Schmidt et al.	367	153	07/06/82
# A7.	4,619,423	10/28/86	Holmes et al.	244	130	11/10/83
A8.	4,668,443	05/26/87	Rye	261	112	11/25/85
A9.	4,699,340	10/13/87	Rethorst	244	199	06/13/85
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Date Considered:

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